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*Prigant*  
*S. Ford*  
**PATENT**

Docket No. 5634.121

*661/96*

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventors: John C. Harvey and James W.  
Cuddihy

Serial No.: 08/447,496

Filing Date: May 23, 1995

For: Signal Processing Apparatus and  
Methods

Group Art Unit: 2602/348

Examiner:

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GROUP 260

Assistant Commissioner of Patents  
Washington D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449.

The above-referenced application claims priority under 35 U.S.C. § 120 of the following applications:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patent No.</u>
08/113,329	August 30, 1993	Pending
08/056,501	May 3, 1993	5,335,277
07/849,226	March 10, 1992	5,233,654
07/588,126	September 25, 1990	5,109,414
07/096,096	September 11, 1987	4,965,825

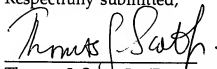
ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.B./

Applicants believe that all references cited on the attached PTO 1449 form were cited by or submitted to the PTO in one or more of the case cited above or in U.S. Patent Application Serial No. 06/829,531, filed February 15, 1986 now U.S. Patent No. 4,704,725, U.S. Patent Application Serial No. 06/317,510, filed November 3, 1981 now U.S. Patent No. 4,694,490 and co-pending U.S. Patent Application Serial No. 08/448,143, filed May 23, 1995. Therefore, no copies of the listed references are provided herewith. Additionally, references believed to be dated in the period from November 3, 1981 through September 11, 1987 are included in the present IDS as this application only claims priority to the September 11, 1987 filing date. It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

CERTIFICATION AND/OR FEE

Since this IDS is being filed pursuant to 37 C.F.R. § 1.97(b) before the later of three months after the filing date of the above-referenced application or the date of receipt of the first Office action on the merits, no certification or fee is required.

Respectfully submitted,



Thomas J. Scott, Jr. (Reg. No. 27,836)

Dated: December 5, 1995

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## U. S. Patent Documents

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
	3,602,891	8/31/71	Clark et al.	340/172.5	
	3,651,471	3/21/72	Haselwood et al.	340/172.5	
	3,733,431	5/15/73	Kirk, Jr., et al.	178/5.1	
	3,849,729	11/19/74	Van Baggem	325/31	
	3,906,450	9/16/75	Prado, Jr.	340/150	
	3,947,624	3/30/76	Miyake	178/6	
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	3,973,206	8/3/76	Haselwood et al.	325/455	
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	4,320,256	3/16/82	Freeman	179/6.04	
	4,338,643	7/6/82	Tadokoro	360/135	

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	4,410,911	10/18/83	Field et al.	358/121	
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	4,429,385	1/31/84	Cichelli et al.	370/92	
	4,433,211	2/21/84	McCalmont et al.	179/1.5 S	
	4,433,379	2/21/84	Schenk et al.	364/200	
	4,443,660	4/17/84	DeLong	178/22.04	
	4,449,114	5/15/84	Fascenda et al.	340/988	
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	4,458,315	7/3/84	Uchenick	364/200	
	4,460,922	7/17/84	Ensinger et al.	358/122	

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	4,461,032	7/17/84	Skerlos	455/4	
	4,462,076	7/24/84	Smith, III	364/200	
	4,462,078	7/24/84	Ross	364/300	
	4,475,153	10/2/84	Kihara et al.	364/145	
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	4,476,573	10/9/84	Duckeck	455/45	
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	4,488,289	12/11/84	Turner	370/60	
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	4,509,073	4/2/85	Baran et al.	358/86	
	4,512,011	4/16/85	Turner	370/60	

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	4,521,806	6/4/85	Abraham	358/86	
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	4,531,020	7/23/85	Wechselberger et al.	178/22.08	
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	4,547,804	10/15/85	Greenberg	358/142	
	4,553,252	11/12/85	Egendorf	377/15	
	4,554,418	11/19/85	Toy	179/2 DP	

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	4,562,465	12/31/85	Glaab	358/120	
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	4,566,030	1/21/86	Nickerson et al.	358/84	
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	4,573,072	2/25/86	Freeman	358/86	
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	4,586,134	4/29/86	Norstedt	364/200	
	4,588,991	5/13/86	Atalla	340/825.31	
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	4,598,288	7/1/86	Yarbrough et al.	340/825.34	
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	4,620,224	10/28/86	Lee et al.	358/119	

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	4,638,359	1/20/87	Watson	358/147	
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	4,641,205	2/3/87	Beyers, Jr.	360/33.1	
	4,641,253	2/3/87	Mastran	364/328	
	4,641,307	2/3/87	Russell	370/60	
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	4,647,964	3/3/87	Weinblatt	358/84	
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	4,677,434	6/30/87	Fascenda	380/23	
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	4,685,056	8/4/87	Barnsdale, Jr. et al.	364/200	
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	4,688,247	8/18/87	Davidov	380/19	
	4,689,022	8/25/87	Peers et al.	434/307	
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	4,692,819	9/8/87	Steele	360/72.1	
	4,694,491	9/15/87	Horne et al.	380/20	3/11/85
	4,695,953	9/22/87	Blair et al.	364/410	4/14/86
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	4,697,281	9/29/87	O'Sullivan	379/59	3/14/86
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	4,712,238	12/8/87	Gilhousen et al.	380/20	6/8/84
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	4,728,949	3/1/88	Platte et al.	340/825.37	3/23/84
	4,731,679	3/15/88	O'Gwynn et al.	360/73	9/20/84
	4,733,301	3/22/88	Wright, Jr.	358/181	6/26/87
	4,734,764	3/29/88	Pocock et al.	358/86	5/6/85
	4,737,993	4/12/88	DeVilbiss	455/180	1/21/87
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	4,750,036	6/7/88	Martinez	358/147	5/14/86
	4,750,213	6/7/88	Novak	455/67	6/9/86
	4,751,578	6/14/88	Reiter et al.	358/183	5/28/85
	4,751,665	6/14/88	Cappello et al.	364/748	2/24/86
	4,754,326	6/28/88	Kram et al.	364/900	10/25/83
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	4,761,646	8/2/88	Choquet et al.	340/825.520	5/20/86
	4,763,317	8/9/88	Lehman et al.	370/58	12/13/85
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	4,771,456	9/13/88	Martin et al.	380/10	11/6/86
	4,775,935	10/4/88	Yourick	364/401	9/22/86
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	4,786,979	11/22/88	Claus et al.	358/335	5/22/86

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	4,789,863	12/6/88	Bush	340/825.350	1/13/88***
	4,792,849	12/20/88	McCalley et al.	358/86	8/4/87
	4,792,973	12/20/88	Gilhousen et al.	380/24	12/4/87***
	4,802,114	1/31/89	Sogame	364/900	12/15/86
	4,803,725	2/7/89	Horne et al.	380/44	5/14/87
	4,805,014	2/14/89	Sahara et al.	358/86	9/14/87***
	4,812,843	3/14/89	Champion, III et al.	340/905	8/11/87
	4,813,011	3/14/89	Kulakowski et al.	364/900	5/13/85
	4,815,129	3/21/89	Griffin et al.	380/15	1/2/85
	4,816,905	3/28/89	Tweedy et al.	358/86	4/30/87
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	Applicant(s) John C. Harvey <i>and</i> James W. Cuddihy	
	Filing Date May 23, 1995	Group 2602/348

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	Filing Date May 23, 1995	Group 2602/348

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<b>Information Disclosure Statement by Applicant</b>	Attorney Docket No. 5634.121	Serial No. 08/447,496
	Applicant(s) John C. Harvey <i>and</i> James W. Cuddihy	
	Filing Date May 23, 1995	Group 2602/348
Title: <b>Signal Processing Apparatus and Method</b>		

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Examiner /Kevin Bates/	Date Considered 03/29/2010
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